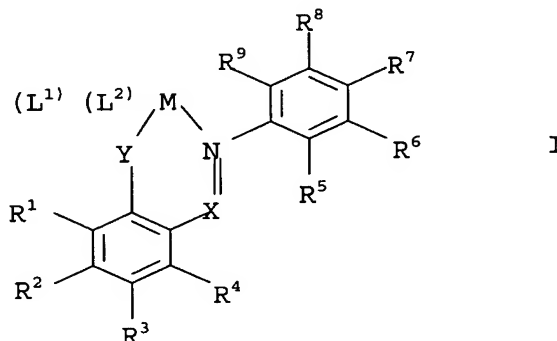


IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A process for preparing an aqueous polymer dispersion, ~~dispersions~~ by polymerizing one or more olefins in an aqueous medium in the presence of one or more dispersants, and, ~~if desired~~ optionally, of organic solvents, said process comprising which comprises catalyzing the polymerization of said one or more olefins ~~olefin(s)~~ using one or more metal complex compounds of the formula I:



wherein ~~where~~ the substituents and indices have the following meanings:

M is a transition metal from groups 7 to 10 of the periodic table of the elements[[.]];

L¹ denotes phosphanes (R¹⁶)_xPH_{3-x} or amines (R¹⁶)_xNH_{3-x} with identical or different radicals R¹⁶, ethers (R¹⁶)₂O, H₂O, alcohols (R¹⁶)OH, pyridine, pyridine derivatives of the formula C₅H_{5-x}(R¹⁶)_xN, CO, C₁-C₁₂ alkylnitriles, C₆-C₁₄ aryl nitriles or ethylenically unsaturated double bond systems, x denoting an integer from 0 to 3[[.]];

L^2 denotes halide ions, amide ions $(R^{16})_hNH_{2-h}$, h denoting an integer from 0 to 2, and also C_1 - C_6 alkyl anions, allyl anions, benzyl anions or aryl anions,

and optionally, it being possible for L^1 and L^2 may to be linked to one another by one or more covalent bonds[[,]];]

X: is CR or nitrogen atom (N),

R: is hydrogen,
 C_1 - C_6 alkyl groups,
 C_7 - C_{13} aralkyl radicals, or
 C_6 - C_{14} aryl groups, unsubstituted or substituted by one or more C_1 - C_{12} alkyl groups, halogens, mono- or polyhalogenated C_1 - C_{12} alkyl groups, C_1 - C_{12} alkoxy groups, silyloxy groups $OSiR^{11}R^{12}R^{13}$, amino groups $NR^{14}R^{15}$ or C_1 - C_{12} thioether groups,

Y: is OH group, oxygen, sulfur, $N-R^{10}$ or $P-R^{10}$,

N: is nitrogen atom;

R^1 to R^9 : are, independently of one another, hydrogen,

C_1 - C_{12} alkyl, wherein it being possible for the alkyl groups may to be
branched or unbranched,

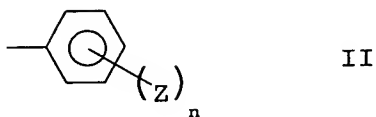
C_1 - C_{12} alkyl, substituted one or more times by identical or different
substituents, selected from the group consisting of C_1 - C_{12} alkyl groups,

halogens, C₁-C₁₂ alkoxy groups and C₁-C₁₂ thioether groups,
C₇-C₁₃ aralkyl,
C₃-C₁₂ cycloalkyl,
C₃-C₁₂ cycloalkyl, substituted one or more times by identical or different
substituents, selected from the group consisting of C₁-C₁₂ alkyl groups,
halogens, C₁-C₁₂ alkoxy groups and C₁-C₁₂ thioether groups,
C₆-C₁₄ aryl,
C₆-C₁₄ aryl, substituted by identical or different substituents, selected from one
or more members of the group consisting of C₁-C₁₂ alkyl groups, halogens,
mono- or polyhalogenated C₁-C₁₂ alkyl groups, C₁-C₁₂ alkoxy groups, silyloxy
groups OSiR¹¹R¹²R¹³, amino groups NR¹⁴R¹⁵ and C₁-C₁₂ thioether groups,
C₁-C₁₂ alkoxy groups,
silyloxy groups OSiR¹¹R¹²R¹³,
halogens,
NO₂ groups, or
amino groups NR¹⁴R¹⁵,
and wherein it being possible in each case for two adjacent radicals R¹ to R⁹,
may optionally ~~to~~ form with one another, a saturated or unsaturated 5- to 8-
membered ring[₁,₂];

R¹⁰ to R¹⁶ independently of one another, are hydrogen,

C₁-C₂₀ alkyl groups, which may optionally be substituted ~~in turn~~ by O(C₁-C₆
alkyl) or N(C₁-C₆ alkyl)₂ groups,
C₃-C₁₂ cycloalkyl groups,
C₇-C₁₃ aralkyl radicals or C₆-C₁₄ aryl groups[₁,₂];

and wherein at least one of the radicals R^1 to R^9 ~~necessarily being~~ is in the form of a radical of the formula II below:



wherein where Z is an electron-withdrawing group, and n is an integer from 1 to 5.

Claim 2 (Currently Amended): The A process as claimed in claim 1, wherein Z in formula II is selected from one of the following electron-withdrawing radicals:

NO_2 , SO_3 , F, $\text{C}_m\text{F}_{2m+1}$, where m is an integer from 1 to 10, or a mono- or polyfluorinated aryl.

Claim 3 (Currently Amended): The A process as claimed in claim 1 ~~either of claims 1 or 2~~, wherein Z in the formula II is CF_3 , and n is 2 or 3.

Claim 4 (Currently Amended): The A process as claimed in claim 1 ~~any of claims 1 to 3~~, wherein the metal complex compound is used in combination with an activator.

Claim 5 (Currently Amended): The A process as claimed in claim 1 ~~any of claims 1 to 4~~, wherein M in the formula I is nickel or palladium.

Claim 6 (Currently Amended): The A process as claimed in claim 1 ~~any of claims 1 to 5~~, wherein ethylene is used exclusively as olefin.

Claim 7 (Currently Amended): The A process as claimed in claim 1 ~~any of claims 1 to 5~~, wherein at least two olefins are used, selected from the group consisting of ethylene, propylene, 1-butene, 1-hexene, and styrene.

Claim 8 (Currently Amended): The A process as claimed in claim 7 ~~claim 6~~, wherein ethylene is used in combination with propylene, 1-butene, 1-hexene or styrene.

Claim 9 (Currently Amended): The A process as claimed in claim 1 ~~any of claims 1 to 8~~, wherein anionic, cationic and/or nonionic emulsifiers are used as the one or more dispersants.

Claim 10 (Currently Amended): The A process as claimed in claim 1 ~~any of claims 1 to 9~~, wherein aliphatic and aromatic hydrocarbons, fatty alcohols or fatty acids ~~acid~~ are used as organic solvents.

Claim 11 (Currently Amended): An aqueous dispersion of a polyolefin or copolymer of two or more olefins, obtained ~~obtainable~~ by the a process as claimed in claim 1 ~~any of claims 1 to 10~~.

Claim 12 (Currently Amended): An aqueous dispersion of a polyethylene or copolymer of ethylene, obtained ~~obtainable~~ by the a process as claimed in claim 1 ~~any of~~

claims 1 to 10.

Claim 13 (Currently Amended): The ~~An~~ aqueous dispersion as claimed in claim 11 ~~or~~
~~12, wherein said dispersion is~~ in the form of a miniemulsion.

Claim 14 (Currently Amended): A method of coating paper, comprising, applying the
aqueous dispersion, as claimed in claim 11, to a paper substrate ~~The use of an aqueous~~
~~dispersion as claimed in any of claims 11 to 13 for paper applications such as paper coating~~
~~or surface sizing, paints and varnishes, adhesive base materials, molded foams such as~~
~~mattresses, textile and leather applications, carpet backing coatings or pharmaceutical~~
~~applications.~~

Claim 15 (New): The aqueous dispersion as claimed in claim 12, wherein said
dispersion is in the form of a miniemulsion.

Claim 16 (New): A method of sizing a surface, comprising, contacting the aqueous
dispersion, as claimed in claim 11, with the surface of a substrate.

Claim 17 (New): A method of treating a textile, leather or a carpet backing,
comprising, contacting the aqueous dispersion, as claimed in claim 11, with a substrate.

Claim 18 (New): A method of preparing a molded foam, comprising, molding a
composition comprising the aqueous dispersion of claim 11 and one or more additives.

Claim 19 (New): A paint, varnish or adhesive, comprising the aqueous dispersion of claim 11 and one or more additives.

Claim 20 (New): A pharmaceutical composition, comprising the aqueous dispersion of claim 11 and one or more additives.